



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	F I
PO038598	ACI001-VC	8	1	Net 30	M6061T6R1.750	6061-T6 Round Bar 1.750" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				20	12/13/2017	20		S025677	Stock	12/20/2017	\$ 7.23 / ft	0	
		21			M6061T6S.100	6061-T6 .100 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf				48		48		S025678	Stock	12/20/2017	\$ 6.60 / sf	0	
Total:										68		68							

Plex 12/20/2017 2:07 PM Dart Dubois Pascal



ACIER OUELLETTE INC.
935, Boul. du Hâve
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 MU: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 MH: 514-336-4246 Ext.: 866-456-4242

Order - Sales

Copy

CO00067297

Customer N° CL10001056

Date 2017/12/15

Delivery date 2017/12/18

Your order N° 38598

Processed by Josianne Bourdon

Salesman

Carrier

Credit Terme OUELLETTE VALLEYFIELD
Net 30 Days

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.

HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 ROUND ALU 1 3/4 6061-T6 RANDOM RAL-134-V 5129 1 X 20' HEAT 64811	56.50	20.00	PL \$CLB	1.00			20			

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Y

M

D

Total (\$CAD)

163.41

Deposit

0.00

Balance

163.41



ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Order - Sales

Copy CO00067299

Customer N° CL10001056

Date 2017/12/15

Delivery date 2017/12/19

Your order N° 38598

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,
Att : CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 ALU SHEET .102 (10G) 6061-T6 (4 X 12) FEAL-1024126061 3243 1 X 4' X 12' HEAT 400551 TRANSIT ST-JEROME LE 18/12	68.93	48.00	PI2_SCLB	1.00			48			
				0.00						

Total Weight (LBS) : 68.93

NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lot materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and its warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Not 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document encased. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

Customer's Signature

Y M D

Total (\$CAD)

Deposit

Balance

358.24

0.00

358.24

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER, #201
LAVAL, QC
H7L5R2**

commande Sapa / Sapa order # : **5110255**

bon de commande / Purchase order # : **OU-44748**

de matrice / Die # : **MS 18694**

Description : **ROD 1.750"**

Alliage & trempage / Alloy & temper : **6061 T6**

Longueur / Length : **6097 mm**

Contrôle / Control # : **56865-2**

Coulée / Cast # : **64811**

Dureté Rockwell E /
Rockwell E hardness : **97 HRE**

Min. requis /
Min. required : **88 HRE**

Max. permis /
Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :


	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0.20 - 0.60	0.35 Max	0.10 Max	0.10 Max	0.45 - 0.90	0.10 Max	0.10 Max	0.10 Max
6005	0.60 - 0.90	0.35 Max	0.10 Max	0.10 Max	0.40 - 0.60	0.10 Max	0.10 Max	0.10 Max
6005A	0.66 - 0.74	0.14 - 0.28	0.08 - 0.16	0.18 - 0.26	0.46 - 0.54	0.03 Max	0.05 Max	0.05 Max
6061	0.40 - 0.80	0.70 Max	0.15 - 0.40	0.15 Max	0.80 - 1.20	0.04 - 0.35	0.25 Max	0.15 Max
6351	0.7 - 1.3	0.5 Max	0.10 Max	0.40 - 0.80	0.40 - 0.80	---	0.20 Max	0.20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme **ASTM B-221-14** excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,
Yours truly,

date : **2015-12-21**


Gilles Pelletier
Technicien de la qualité
Quality technician

CERTIFIED INSPECTION REPORT

Page-106V.

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bellendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with and has been found to meet the applicable requirements described hereon, including any specifications forming a part of the description and that samples representative of the material and the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, deletion or other change is authorized to be made to this certificate. The recording of false, false, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rob Woodall
Director of Manufacturing Development Works

Terrence Thiem
Quality Assurance Manager

Page 1 of 2

3015843	0	B.L. No.	Invoice No.	Alcoa No.	Item
2016-09-01	11035922	00000	1000847367-2	Alcoa Item	
P.O. No./Govt Contract No.			Customer		
C73141 Lnf# : 2			SAMUEL SON & CO LT G041015427R17		

Item Description
0.1 IN TK (+0.0000 - .0060) X 48.0 IN W (+.125 - .125) X 144.0 IN LN (+.15625 - .15625) CAT X G041015427 (N) A/T 6061-T6 FLAT SHEET FOR DISTRIBUTORS TOLERANCE GUARANTEED./AMS4027 REV N ANS1H35.2 REV 2013 EXC_MRK ASME-SB-209 REV 15 EXC_MRK (ASTM B209) REV 14 ((MARKED)) KRAFT PAPER INTERLEAVED MAX GROSS SKID WGT: 4750 LB QUAN TOL +/- 10 % COR D126913 REV 45 CUST REQ 16-09-23 *** W/E 16-10-08 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector	Clock Numbers
1	278794	400551	3867	60	PC	47275	27713

Notes for COR: D126913.45
PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250_11 ORIGINAL REVISIO N DATED 1997-08-01.

COR: D126913.45 -Specification Limits

Temp	Dir	UTS	TYS	ELAD
T6	Long Transv.	Max	KSI	PCT
		Min	42.0	35.0 10

Chemical Composition	SI	FE	CU	MN	MG	CR	ZN	TI	Other
Alloy 6061	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15 0.05
Lot: 400551	Min	0.40	0.15	0.8	0.04				REMAIN
	No->								
Temp	Dir	UTS	TYS	ELAD					
T6	Long Transv.	Test	KSI	PCT					
			49.6	43.5					12.3

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material meet the composition limits and that the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. This document is the property of Alcoa Inc. and its use for any other purpose or on any other material is prohibited. This document may be purchased as a library under applicable law.

Per:

Rob Woodall

Rob Woodall

Terrence Thum

Director of Manufacturing Davenport Works

Quality Assurance Manager

3015843	0	B.I. No.	Invoice No.	Alcoa No. Item	DPE-47367-2
Ship Date	2016-09-01	11035922	00000	1000847367-2	
P.O. No./Govt Contract No.	Customer		Alcoa Item		
C73141 Lnh: 2	SAMUEL SON & CO LT G041015427R17				

Page 2 of 2

Lot: 400551 - Mechanical, Physical, Metallurgy, Quantometer Results (cont.) -----

Cast Number	Chemical	- OBS	SI	FE	CU	NN	MG	CR	ZN	TI	Other	Each	Other	Total
H9795043	Actuals		0.62	0.4	0.23	0.05	0.9	0.16	0.03	0.02	< 0.05	< 0.15		
				49.9	43.9	12.2								
				49.5	43.4	12.3								
				49.5	43.4	12.4								
				50	44	12.3								
				49.5	43.5	12.3								
				49.4	43.5	12.2								
				49.5	43.2	12.7								
				49.4	43.2	12.9								
				49.6	43.5	12.6								

This material was melted in the United States or a Qualifying Country [REF DPARS 225.872.1(a)]; it was manufactured in the United States



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038598

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038598
PO Date: 12/7/17
Due Date: 12/13/17
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments: QUOTE NO. SOU00756580,SOU0076051

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8	M6061T6R1.750	✓	6061-T6 Round Bar 1.750" : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	12/13/17	20 ft	0 ft	20 ft	\$7.2305/ft	\$144.61
20	M304S22GA		304/316 .032 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Partial	12/13/17	96 sf	32 sf	64 sf	\$3.6232291/sf	\$231.89
21	M6061T6S.100	✓	6061-T6 .100 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	12/13/17	48 sf	0 sf	48 sf	\$6.6047916/sf	\$317.03
Grand Total:										\$693.53

Order Notes

CL

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/20/17 12:51 PM dart.lavoie.chantal

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061H65.100
 DATE: DEC 20 2017

PO / BATCH NO.: 038598/8025678

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48A2
 QUANTITY INSPECTED: 48A2
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .100
 THICKNESS RECEIVED: .100
 SHEET SIZE ORDERED: 4X12
 SHEET SIZE RECEIVED: 4X12

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	<u>As per 0209</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	<u>Heat # 400551</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>ml</u>	SIGNED OFF BY: _____		
DATE: <u>DEC 20 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
OR ~~AMS-4025/BB~~ AMS 4027
OR ASTM B209

PART NUMBER: M6061T6S1XXX THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE: XXX BY 4 FT BY 8 FT

RELEASED
R 2009-09-10
MJP

B	REFORMAT DWG. ADD B209 SPEC. (ZN D8-1). REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6S			
REV. B			
SHEET 1 OF 1			
TITLE			
6061-T6 SHEET SPEC			
SCALE			
N/S			
COPYRIGHT © 2001 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 R1.750
 DATE: DEC 20 2017

PO / BATCH NO.: 038598/S025677


MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 20'
 QUANTITY INSPECTED: 20'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.750
 THICKNESS RECEIVED: 1.750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<u>Heat # 64811</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u></u> DATE: <u>DEC 20 2017</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R/D.DDD

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED
2009-09-09
NPD

B	REFORMAT DWG. ADD B211& B221 SPEC (2N DB-1).	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD		REV. B	
HAWKESBURY, ONTARIO, CANADA		SHEET 1 OF 1	
DRAWING NO. M6061T6R		SCALE	
TITLE 6061-T6 ROUND BAR		NTS	
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NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT			
THE PERMISSION OF DART AEROSPACE LTD			